



Structured Discussion Part II

ENERGY STAR CAC/ASHP

Quality Installation

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Promoting Quality Installation



- What is the Value?
 - for Consumers (Will they ask for it?)
 - for Contractors (Will they sell it?)
 - for Manufacturers (Will they support/train?)
 - for EEPs (Will they promote/subsidize?)

Is there enough value for enough players to motivate the necessary actions?

Building a Market Infrastructure



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Contractor Accreditation or
Third-Party Verification

Installation by Certified Technicians

ENERGY STAR Installation Guidelines

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Installation Guidelines



- Design/proper sizing
- Refrigerant charge
- Airflow
- Ducts
- Collection/analysis of performance data
- Commissioning report for the owner

Are these the correct parameters?

Is there agreement on how to measure them?

What are the challenges? What is the value?

Certified Installers



- Should we specify who is qualified to do ENERGY STAR installations?
 - What are the right qualifications?
 - Who should train the technicians?
 - Who should “certify” them?
 - Who pays for the training & certification?

Verification



- How important is verification?
 - Utility perspective
 - Contractor perspective
- How soon should it be in place?
- Have we identified all possible models?
- What should be verified?
 - Sizing
 - Refrigerant
 - Air flow
 - Other?

Accreditation vs. Third Party



- Is there significant value in someone beside the contractor evaluating the installation?
- What would constitute an acceptable accreditation program for contractors?
- Could we use third parties (HERS, EEPs) as interim step to nationwide accreditation program?
- What is potential role for services like CheckMe!?

Logistics & Pesky Details



- How long to set up accreditation program(s) and accredit qualified contractors?
- What third parties could conduct verifications?
- Who pays for verification?
- What part of system installation is actually verified?
- Will contractors do the extra paperwork?
- What is time lag before consumer knows if their system qualifies/is installed properly?
 - Additional time lag if corrections needed
 - Embarrassment to contractor/technician if rejected

Data Tracking & Reporting



- Should data be collected from each installation?
- Who would collect it?
- Who would it be reported to?
- What is value to consumers?
- How do we streamline this for contractors?
- What is value to EEPS? EPA?